RESOLUTION NO. U-11212

A RESOLUTION related to Tacoma Water; authorizing participation in a City of Tacoma, Environmental Services, South West Regions Project.

WHEREAS the City of Tacoma, Tacoma Public Utilities, Water Division ("Tacoma Water") is requesting authorization to partner with the Environmental Services Department (ES) on a project to reconstruct certain existing roadways and replace certain underground utilities ("Project"); and

WHEREAS, a part of this Project, which will be administered by ES, is to replace approximately 2,300 feet of 6-inch to 16-inch existing water main, constructed circa 1905 to 1955, along South Wright Avenue, from Tacoma Avenue South to South "D" Street, along South 9th Street, from South Sprague Avenue to South Grant Avenue, and along North Karl Johan Avenue, from 6th Avenue to 600 feet Northerly, and

WHEREAS portions of the existing water main is over 100 years old and beyond the end of its operational life, and

WHEREAS Tacoma Water's total cost of the Project is $972,134.48, including a 15-percent contingency, plus partner contract administration of $25,367.75, for a cumulative total of $997,502.23, plus applicable taxes,

WHEREAS funding for this project is available from Tacoma Water's WTR-00604-08-03, Construction Payments to ES, as is summarized in the Tacoma Water-Environmental Services Joint Agreement, and

WHEREAS Tacoma Water believes it is in the best interest of the utility and its customers to include the water main work in the Environmental Services project and project partnership will improve project delivery, reduce project
costs, improve system reliability, and consolidate construction disturbance to residents, and

WHEREAS Tacoma Water requests authority to participate in Environmental Services, South West Regions Project, for the above purpose and reasons; Now, Therefore,

BE IT RESOLVED BY THE PUBLIC UTILITY BOARD OF THE CITY OF TACOMA:

That Tacoma Water is authorized to participate in Environmental Services, South West Regions Project, in the amount of $997,502.23, plus applicable taxes, and the proper officers of the City are authorized to execute any necessary agreements in a form as approved by the City Attorney.

Approved as to form:

Chair

/s/
Chief Deputy City Attorney

Secretary

Adopted

Clerk
Board Action Memorandum

TO: Jackie Flowers, Director of Utilities
COPY: Charleen Jacobs, Director and Board Offices
FROM: Scott Dewhirst, Water Superintendent, Tacoma Water
       Ali Polda, Principal Engineer, 253-502-8152
MEETING DATE: October 28th, 2020
DATE: October 15th, 2020

SUMMARY:

Authorize Tacoma Water to participate in the City of Tacoma, Department of Environmental Services, South West Regions Project. Tacoma Water proposes to replace approximately 2,300 feet of 6-inch to 16-inch water main. Total project cost, including a 15 percent contingency, is $972,134.48, plus partner contract administration of $25,367.75, for a cumulative total of $997,502.23, plus applicable taxes.

Tacoma Water believes it is in the best interest of the utility and its customers to include the water main work in the Environmental Services project. Project partnership will improve project delivery, reduce project costs, improve system reliability, and consolidate construction disturbance to residents.

BACKGROUND:

Tacoma Water is partnering with the Environmental Services Department to reconstruct the existing roadways, replace underground utilities including approximately 2,300 feet of existing water main, constructed circa 1905 to 1955, along South Wright Ave., from Tacoma Ave South to South "D" Street, along South 9th Street, from South Sprague Ave to South Grant Ave., and along North Karl Johan Ave., from 6th Ave to 600 feet Northerly.

Project partner contributions are summarized in the Tacoma Water-Environmental Services Joint Agreement.

ISSUE: The existing water main is over 100 years old and beyond the end of its operational life.

ALTERNATIVES: Rehabilitating the existing water main is cost prohibitive. It is more cost effective to mitigate the risk of future water main breaks under a new roadway by replacing the water main with partnerships such as this.
ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF THE ACTION REQUESTED IS APPROVAL OF A CONTRACT, INCLUDE LANGUAGE IN RESOLUTION AUTHORIZING $200,000 INCREASE IN ADMINISTRATIVE AUTHORITY TO DIRECTOR? N/A

ATTACHMENTS: Project Map
City Manager Action Memorandum
Agreement for Joint Project Tacoma Water – Environmental Services

CONTACT: Ali Polda, Principal Engineer, 253-502-8152
Jessica Knickerbocker, Assistant Division Manager, 253-389-8044
TO: Elizabeth A. Pauli, City Manager
FROM: Michael P. Slevin III, P.E., Environmental Services Director
       John Burk, P.E., ES Science & Engineering Division Manager
       Kurtis D. Kingsolver, P.E., Public Works Director/City Engineer
       Shannon Wall, P.E., Tacoma Water Planning & Engineering Division Manager
COPY: City Council, City Manager, City Clerk, E/C Coordinator, LEAP Coordinator,
       Manager, and Tina Eide, Senior Buyer, Finance/Purchasing
SUBJECT: Stormwater & Wastewater Sewer Replacement Project (Various Areas):
         S Wright Ave, N Carr St, N Karl Johan Ave, S 9th St, N 12th St, N 26th St,
         & S 53rd St
         Request for Bids Specification No. ES20-0001F
DATE: October 27, 2020

Pursuant to the City of Tacoma March 12, 2020, state of emergency proclamation in response
to COVID-19, made in accordance with Tacoma Municipal Code Chapter 1.10., contract awards
for purchases must be approved by the City Manager or designee.

RECOMMENDATION SUMMARY:
The Environmental Services Department recommends a contract be awarded to R.L. Alia
Company, Renton, WA, in the amount of $2,434,703.50, plus a 15 percent contingency, for a
project contract total of $2,799,909.02, plus applicable taxes, budgeted from various
departmental funds, to replace aging water distribution, wastewater, and surface water pipes, in
addition to roadway, curb ramp, and street tree improvements at various locations in Tacoma.

STRATEGIC POLICY PRIORITY:
• Strengthen and support a safe city with healthy residents.
• Assure outstanding stewardship of the natural and built environment.

This project will replace aging water distribution pipes, wastewater pipes, and surface water
pipes. Roadways impacted by the proposed underground utility replacement work will be
restored to existing or better condition. This work support a safe city with healthy residents, and
assures outstanding stewardship of the natural and build environment of these neighborhoods.

BACKGROUND:
This project will replace approximately 1,900 linear feet of surface water main, 1,100 linear feet
of wastewater main, and 2,400 linear feet of water main. In partnership with the Public Works
Department and Tacoma Water, this project will also include street restoration, curb ramp
installation, and street tree improvements. The work will occur at the following locations: S
Wright Ave, N Carr St alley, N Karl Johan Ave, S 9th St, N 12th St alley, N 26th St, and S 53rd
St alley.

ISSUE: The underground wastewater, surface water, and water mains in these various
locations are reaching the end of their design life and are at risk of failure.
ALTERNATIVES: Taking no action would put the City at risk of future pipe failures, which may result in untreated wastewater overflowing into the Puget Sound and/or uncontrolled discharge of surface water that can result in flooding. Pipe rehabilitation was also considered, but the mains are not in adequate condition to do so.

COMPETITIVE SOLICITATION:
Request for Bids Specification No. ES20-0001F was opened on October 6, 2020. The project was advertised in normal publications. Ten submittals were received.

R.L. Alia Company submitted the lowest bid. The table below reflects the amount of the base award.

<table>
<thead>
<tr>
<th>Respondent</th>
<th>Location (city and state)</th>
<th>Submittal Amount</th>
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</thead>
<tbody>
<tr>
<td>R.L. Alia Company</td>
<td>Renton, WA</td>
<td>$2,434,703.50</td>
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<tr>
<td>Pape &amp; Sons Construction, Inc.</td>
<td>Gig Harbor, WA</td>
<td>$2,466,750.00</td>
</tr>
<tr>
<td>Reed Trucking &amp; Excavating, Inc.</td>
<td>Puyallup, WA</td>
<td>$2,488,400.20</td>
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<tr>
<td>Rodarte Construction, Inc.</td>
<td>Auburn, WA</td>
<td>$2,489,748.20</td>
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<tr>
<td>Northwest Cascade, Inc.</td>
<td>Puyallup, WA</td>
<td>$2,533,760.00</td>
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<td>Pivotta Brother’s Construction, Inc.</td>
<td>Sumner, WA</td>
<td>$2,680,121.08</td>
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<tr>
<td>Miles Resources, LLC</td>
<td>Puyallup, WA</td>
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<tr>
<td>Sound Pacific Construction, LLC</td>
<td>Gig Harbor, WA</td>
<td>$2,777,335.00</td>
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<tr>
<td>SCI Infrastructure, LLC</td>
<td>SeaTac, WA</td>
<td>$2,862,103.00</td>
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<tr>
<td>Pacific Civil &amp; Infrastructure, Inc.</td>
<td>Sumner, WA</td>
<td>$2,901,633.40</td>
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</table>

Pre-bid Estimate: $2,962,112.00  
The recommended award is approximately 18 percent below the pre-bid estimate.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: Replacement of these pipes will reduce the risk of failure, thereby reducing the potential for discharge of untreated wastewater into Puget Sound and uncontrolled discharge of surface water that can result in flooding, resulting in a positive environmental impact.

EIC/LEAP COMPLIANCE: The recommended contractor is in compliance with the Equity in Contracting (EIC) Regulation requirements per memorandum dated October 14, 2020. The EIC requirements for this project are 4 percent for MBE, 6 percent for WBE, and 11 percent for SBE. The EIC utilization levels of the recommended contractor, R.L. Alia Company, are approximately 4 percent for MBE, 6 percent for WBE, and 72 percent for SBE. The Local Employment and Apprenticeship Training Program (LEAP) requirements are 15 percent.
**FISCAL IMPACT:**

### EXPENDITURES:

<table>
<thead>
<tr>
<th>Fund Number &amp; Fund Name</th>
<th>Cost Object (CC/WBS/ORDER)</th>
<th>Cost Element</th>
<th>Total Amount</th>
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<tbody>
<tr>
<td>4300 ES Wastewater Fund</td>
<td>ENV-04022-08-04</td>
<td>5330100</td>
<td>$403,483.37</td>
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<tr>
<td>4301 ES Surface Water Fund</td>
<td>ENV-03031-06-04</td>
<td>5330100</td>
<td>$963,079.40</td>
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<tr>
<td>1085 PW Streets Initiative Fund</td>
<td>PWK-00438-28-03</td>
<td>5330100</td>
<td>$461,211.77</td>
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<tr>
<td>Tacoma Water Bond Fund</td>
<td>WTR-00604-01-08</td>
<td>5330100</td>
<td>$972,134.48</td>
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<td><strong>TOTAL</strong></td>
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<td><strong>Up to $2,799,909.02</strong></td>
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### REVENUES:

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<th>Total Amount</th>
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<td>$403,483.37</td>
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<tr>
<td>4301 ES Surface Water Fund</td>
<td>521900</td>
<td>Rate Revenues</td>
<td>$963,079.40</td>
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<td>Streets Initiative Revenues</td>
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<td>Revenues</td>
<td>$461,211.77</td>
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<td>4600-13WC Water Bond Fund</td>
<td>586313</td>
<td>6311163</td>
<td>$972,134.48</td>
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<tr>
<td><strong>TOTAL</strong></td>
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<td><strong>$2,799,909.02</strong></td>
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**FISCAL IMPACT TO CURRENT BIENNIAL BUDGET:** $2,799,909.02, plus applicable sales tax.

**ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED?** Yes.

**IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED.** N/A.

--

**APPROVED**

______________________________

Elizabeth A. Pauli, City Manager

Revised: 07/29/2020
DATE: October 15, 2020

TO: Shannon Wall, P.E., Planning & Engineering Division Manager, Tacoma Water
    John Burk, P.E., Environmental Services Division Manager

FROM: Troy Saghafi, P.E., Planning & Engineering Professional Engineer, Tacoma Water
      Jordan Ennis, P.E., Professional Engineer, Environmental Services

SUBJECT: Agreement for MRP 2019-50 / ES20-0001F
        Stormwater & Wastewater Sewer Replacement Project (Various Areas): S Wright Ave,
        N Carr St, N Karl Johan Ave, S 9th St, N 12th St, N 26th St, & S 53rd St

Our respective organizations believe a coordinated effort to replace the water, sanitary sewer,
and storm infrastructure in conjunction with streets and sidewalk ramp improvements along S
Wright Ave, N Karl Johan Ave, and S 9th St, under a single City of Tacoma contract, will result in
efficiency and cost savings to all parties. Additionally, a joint project will minimize construction
disturbance to adjacent businesses and the general public. The following summarizes the
arrangements, assumptions, and action items necessary to move forward with this project:

- The project has been combined into a single Environmental Services construction contract.
  Environmental Services has the responsibility to lead and coordinate the compilation of contract
  plans and specifications, and to advertise and award the construction contract.

- The Department of Environmental Services will administer the construction contract. Environmental Services will charge Tacoma Water for the additional incremental contract administration time associated with Tacoma Water scope of work. Tacoma Water will
  compensate the Environmental Services Department in the amount of 3% of the lowest
  responsible bidders water base bid plus the shared item costs less sales tax. The estimated cost
  for the Tacoma Water portion of contract administration is $25,367.75. This amount will be
  transferred to the Department of Environmental Services via journal entry at the completion of
  the project. This method is consistent with how construction management and overhead costs were
  addressed on previous projects.

- Tacoma Water will be responsible for shared street restoration, ADA sidewalk and ramp, and
general contract costs as reflected in the Project Breakdown Estimate worksheet (see exhibit A).
  Tacoma Water portion of the shared cost are based on actual bid pricing and are estimated to be
  approximately $324,470.73.

  As quantities on the Project Breakdown Estimate worksheet are contractor bid estimates, the
  Departmental actual bid quantities and costs will be separated by the same percentage as
  the per bid item estimate reflected on the Project Breakdown Estimate worksheet.

- Tacoma Water will provide the WBSE for charging water main construction costs to the Water
  Division fund. The Water Division WBSE for this project is as follows:

  WTR-00604-01-08-03 Construction Payments to ES

- Tacoma Water will be responsible for the cost of water distribution main work, valves, hydrants,
trench excavation, trench backfill and compaction to subgrade elevation, mobilization, traffic
control, and other appurtenant items directly related to the installation of new water main. These
costs have been segregated within “Schedule D” of the contract bid proposal. Costs for the water distribution main is $521,121.00.

- Tacoma Water will request authorization from the Public Utility Board to participate in the Environmental Services contract as soon as possible following the determination of the lowest responsible bidder.

- Tacoma Water will be included and fully involved in the initiation, discussion, and review of any addendums, revisions, change orders, or change of scope pertaining to the water main work. Any addendums, revisions, change orders, or change of scope pertaining to the water main scope of work or shared bid items shall be subject to the approval of Tacoma Water.

- Tacoma Water will perform all water main construction staking.

- The Department of Environmental Services will act as the overall contract construction inspection lead. Tacoma Water will be responsible for the daily inspection of the water main construction. Tacoma Water, Public Works and Environmental Services inspections will be a cooperative and coordinated effort.

We look forward to continuing our spirit of coordination and cooperation to accomplish this and future projects of mutual benefit to the citizens of Tacoma, the Department of Environmental Services, and Tacoma Water. Tacoma Water’s total project contribution cost for this project is $870,959.48. By signature, please indicate your approval to proceed with this joint project.

Shannon Wall
Shannon Wall, P.E.
Planning & Engineering Division Manager

10/15/2020

Date

John Burk
John Burk, P.E.
Environmental Services Division Manager

10/15/2020

Date

cc: Geff Yotter, Tacoma Water

File MRP 2019-50
APPENDIX A
### SHARED BY PERCENTAGE - ALL UTILITIES

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<tr>
<th>Item #</th>
<th>Bed Bum Name</th>
<th>Unit</th>
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### SHARED BY PERCENTAGE - EXCLUDING WATER

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### SHARED BY QUANTITY & NON-SHARED ITEMS (included in percent partnership calculations)

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### Note:
- Items listed in this category may include any items that are shared up to a percentage but not those that are shared at or above 100%.
- These may include some items and profit margins, the example...
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<th>Description</th>
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*Note: The table above is incomplete and requires further details to be filled in.*
### WATER ITEMS NOT INCLUDED IN PERCENT PARTNERSHIP CALCULATIONS

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### ITEMS CALCULATED BY PERCENTAGE

- PW: \(\) (specify)
- SW: \(\) (specify)
- V: \(\) (specify)
- VW: \(\) (specify)

#### SHARED BY PERCENTAGE (ALL)

- \(10,000.00\)
- \(30,000.00\)
- \(50,000.00\)
- \(14,700.00\)
- \(22,000.00\)

#### ITEMS CALCULATED BY QUANTITY

SHARED BY QUANTITY AND NON-SHARED ITEMS INCLUDED IN PERCENT PARTNERSHIP CALCULATIONS

- \(999.00\)
- \(899.00\)
- \(50,000.00\)
- \(900.00\)
- \(901.00\)
- \(91,000.00\)

#### WATER ITEMS NOT INCLUDED IN PERCENT PARTNERSHIP CALCULATIONS

TOTAL

- \(446,911.13\)
- \(837,715.72\)
- \(846,981.73\)
- \(901,112.50\)

#### Percent Participation Calculation for Items that Include all UTILITIES

- Public Works: \(305,651.13\)
- Stormwater: \(375,411.75\)
- Water: \(758,771.73\)
- Wastewater: \(899,000.00\)

**TOTAL**: \(2,945,253.10\)

#### Percent Participation Calculation for Items that Exclude Water

- Public Works: \(305,651.13\)
- Stormwater: \(375,411.75\)
- Wastewater: \(899,000.00\)

**TOTAL**: \(1,241,461.88\)

#### Note: These should add up to 100% but may be off by 1% due to rounding.

**Total BID**

- Public Works: \(401,311.73\)
- Stormwater: \(837,715.75\)
- Water: \(940,591.75\)
- Wastewater: \(2,493,739.16\)

**Note**: Any amount should match the actual base bid price.

#### Sales Tax Calculation
<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Taxable Public Works Items</td>
<td>$0.00</td>
</tr>
<tr>
<td>Total Tax - Public Works</td>
<td>$0.00</td>
</tr>
<tr>
<td>Total Taxable Stormwater Items</td>
<td>$0.00</td>
</tr>
<tr>
<td>Total Tax - Stormwater</td>
<td>$0.00</td>
</tr>
<tr>
<td>Total Taxable Water Items</td>
<td>$445,591.73</td>
</tr>
<tr>
<td>Total Tax - Water</td>
<td>$84,250.36</td>
</tr>
<tr>
<td>Total Taxable Wastewater Items</td>
<td>$531,142.09</td>
</tr>
<tr>
<td>Total Tax - Wastewater</td>
<td>$535,819.48</td>
</tr>
<tr>
<td>Total Sales Tax</td>
<td>$1,022,663.85</td>
</tr>
</tbody>
</table>

**General Practice for Sales Tax:**

- Wastewater & Water surface restoration items are non-taxable ONLY in areas where there is a partnership with Public Works to also build roadways or where ES is building roadways (previous property).
- Wastewater and Water surface restoration items are taxable if the project is not a partnership regardless of whether it is a partnership project (e.g., replacing CEI, sidewalks, driveways, minor roadway patching, etc.).
- Items on the Roadway Schedule that are not roadway related items (such as mobilization, SPC, Plan, Field Lines, etc.) ARE taxable for Wastewater and Water utilities.
Project Extents – SW REGIONS